

REMARKS

The Office Action and prior art relied upon have been carefully considered. In an effort to expedite the prosecution of the present application, claim 3 is being cancelled and the subject matter thereof now appears in claims 4 and 5 added by amendment. Claims 1 and 2 have been amended to clearly define the present invention as compared to the cited prior art which has been acknowledged as prior art by the applicant.

Claim 1 as amended sets forth two protrusions on the neck portion of the deflection yoke apparatus. The first protrusion is received in a hole of a clamp band and in this respect, resembles the acknowledged prior art of Fig. 9 wherein hole 5a receives first protrusion 14.

Fig. 3 of the present invention illustrates a number of vertical slits that flex inwardly after the clamp is secured to the upper illustrated end portion of the neck portion. The result is that this upper portion will have a narrow diameter as compared to the holding portions 33a and 33b, these holding portions thereby being defined as located in a wider diameter portion.

During assembly, when magnetic ring 11 is inserted onto the neck portion (prior to the attachment of a clamp), the magnetic ring engages a sloping surface of the second protrusion 80a. The magnetic ring continues its coming action against protrusions 33a0 and 33b0 until they rest against the holding portion 33a that is located on a wider diameter portion of the neck. Claim 1 therefore sets forth a first protrusion that secures a clamp band to the neck and a second protrusion having a first sloped surface (80a, 80b) that helps to guide the magnetic ring to the slope surface of the holding portion protrusions 33a0 and 33b0. As will be appreciated from viewing Figs. 2 and 3, all of the magnetic rings of the present invention are disposed between the holding portion protrusions 33a0 and 33b0 and the opposing protrusions 32a1 and 32b1 (Fig. 3). Thus, all of the magnetic rings are mounted to a wider diameter portion of the neck.

This is not the case with the cited prior art of Fig. 9. As previously mentioned, the prior art has a first protrusion 14 but has no second protrusion (80a, 80b) that guides

magnetic rings to the holding portion.

Regarding claim 3, the Office Action indicates that the holding portion corresponds to reference numeral 12 of the prior art shown in Fig. 9 (protrusions 12a and 12b). The second protrusions are indicated as corresponding to 13 (tongue 13) of Fig. 9. This is not correct.

The protrusions 12a and 12b are not holding portions that hold magnetic rings on a wider diameter portion, but rather hold them on a narrower portion of the neck. The claw 13a of the tongue 13 corresponds to the holding portion that holds the magnetic rings.

In summary, the amended claims are believed to present limitations that are not fully met by the cited prior art. Accordingly, the claims as amended should now be allowed.

Anticipation requires the disclosure, in a prior art reference, of each and every limitation as set forth in the claims. *Titanium Metals Corp. v. Banner*, 227 USPQ 773 (Fed. Cir. 1985); *Orthokinetics, Inc. v. Safety Travel Chairs, Inc.*, 1 USPQ2d 1081 (Fed. Cir. 1986); *Akzo N.V. v. U.S. International Trade Commissioner*, 1 USPQ2d 1241 (Fed. Cir. 1986). There must be no difference between the claimed invention and reference disclosure for an anticipation rejection under 35 U.S.C. § 102. *Scripps Clinic and Research Foundation v. Genetech, Inc.*, 18 USPQ2d 1001 (Fed. Cir. 1991); *Studiengesellschaft Kohle GmbH v. Dart Industries*, 220 USPQ 841 (Fed. Cir. 1984).

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned “**Version with markings to show changes made.**”

In view of the above, consideration and allowance are, therefore, respectfully solicited.

In the event the Examiner believes an interview might serve to advance the prosecution of this application in any way, the undersigned attorney is available at the telephone number noted below.

Application No.: 09/841,124

Docket No.: 21994-00021-US

The Director is hereby authorized to charge any fees, or credit any overpayment, associated with this communication, including any extension fees, to CBLH Deposit Account No. 22-0185.

Date: June 12, 2003

Respectfully submitted,

By 

Morris Liss

Registration No.: 24,510

CONNOLLY BOVE LODGE & HUTZ LLP

1990 M Street, N.W., Suite 800

Washington, DC 20036-3425

(202) 331-7111

(202) 293-6229 (Fax)

Attorney for Applicant

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION

Please amend the specification as follows:

On page 5, please delete line 7 in its entirety.

On page 12, please replace the paragraph from lines 1-7 with the following amended paragraph:

In Fig. 3, there are provided protrusions 80a and 80b with rib shape on the tongues 3c and 3d. There is also provided a rib shaped protrusion similar to the protrusions 80a and 80b on each of the tongues 3a and 3b. The ~~protrusion~~ protrusions 80a and 80b are formed on ~~the position~~ positions lower (i.e. the ~~side of wider diameter portion of the deflection yoke~~) than the upper position where the clamp band 5 is ~~attached~~ clamped to the neck portion 3, and contiguous to the protrusion 33a0 and 33b0.

On page 12, please replace the paragraph from lines 16-21 with the following amended paragraph:

Fig. 4 is a cross-sectional view of the tongues 3a and 3b of the neck portion 3 towards the direction parallel to the Z axis. The protrusions 80a and 80b are formed ~~in the upper position (the position towards the wider diameter portion side of the deflection yoke)~~ than above the protrusions 33a0 and 33b0 of the upper holding portions 33a and 33b as also shown in Fig. 3.

On page 12, please replace the paragraph from line 22 through page 13, line 2 with the following amended paragraph:

Fig. 5 is a cross-sectional view of the tongues 3a and 3d of the neck portion 3 shown in Fig. 4 where the clamp band 5 and the magnetic rings 10 and 11 are inserted on the neck portion 3. In Fig. 5, the bottom portion side (~~i.e. towards the direction of wider~~

~~diameter portion of the deflection yoke)~~ of the clamp band 5 ~~stops at the start position~~ abuts edges 80a1s and 80b1s when the clamp band 5 is inserted in the neck portion 3. The slope 80a1 and 80b1 are formed in ~~the upper position~~ higher positions than the slope surfaces 33a2 and 33b2.

On page 14, please replace the paragraph from line 28 through page 15, line 7 with the following amended paragraph:

Consequently, even when the tongues 3a through 3d flex, the magnetic rings 10, 11, 20 and 21 do not contact the edge surfaces 33a1 and 33b1 of the upper holding portions 33a and 33b, but contact the edge surfaces ~~33a1~~ 33a4 and ~~33b1~~ 33b4. This ~~gives~~ is a simple and easy way to attach the magnetic rings 10, 11, 20 and 21 on the neck portion 3. In addition, the magnetic rings 10, 11, 20 and 21 will not break since they do not contact the edge surfaces 33a1 and 33b1 ~~and stuck on the position~~.

On page 16, please delete line 22 in its entirety.

On page 17, please delete line 4 in its entirety:

IN THE CLAIMS

Please amend the claims as follows:

1. (Amended) A deflection yoke apparatus comprising:
 - a neck portion in a cylindrical shape formed on a subterminal portion of a funnel shaped separator having a narrower diameter portion and a wider diameter portion;
 - a first protrusion formed on said neck portion;
 - a clamp band having a hole for receiving said first protrusion thereby attaching the clamp band to the neck portion, tightening of the band causing the neck portion to form the narrower diameter portion relative to the wider diameter portion;

at least one magnetic ring ~~means~~ rotatably mounted on said wider diameter portion of said neck portion;

a holding portion ~~means having holding portion~~ for holding said magnetic ring ~~means from said narrower diameter portion side~~ on said wider diameter portion; and

a second protrusion ~~means~~ formed on said neck portion and having a first slope surface ~~decline to the outer direction~~ declining outwardly from said narrower diameter portion ~~side~~ to said wider diameter portion ~~side~~ of said neck portion;

wherein said magnetic ring ~~means~~ contacts said first slope surface before contacting said holding portion when said magnetic ring is inserted ~~to~~ on said neck portion from an outward end of said narrower diameter portion ~~side~~;

and further wherein said second protrusion ~~means~~ leads/guides said magnetic ring ~~means~~ to said holding portion ~~means~~.

2. (Amended) The deflection yoke apparatus as claimed in claim 1, wherein said holding portion ~~means~~ has a second slope surface declining outwardly ~~decline to the outer direction~~ from said narrower diameter portion ~~side~~ to said wider diameter portion ~~side~~ of said neck portion;

and further wherein said first slope surface of said second protrusion ~~means~~ leads/guides said magnetic ring ~~means~~ to said second slope surface of said holding portion ~~means~~.

New claims 4 and 5 have been added herein.